CLAIMS

1.   A portable reproduction device for playing selected messages from a plurality of broadcast signal message streams, the portable reproduction device comprising:

a receiver for receiving broadcast messages;

a filter for filtering the received messages and selecting messages from one or more selected message streams, the filter connected to a memory for storing a filter block identifying the selected message streams; and

an output device for outputting the filtered messages;

wherein the portable reproduction device is arranged to receive filter blocks transmitted to the portable reproduction device and to store them in the filter memory to update the filter and hence update the selection of message streams for output.

2.   A portable reproduction device according to Claim 1, wherein the filter blocks are received on the receiver for receiving broadcast messages.

3.   A portable reproduction device according to Claim 2, arranged to extract filter blocks from received broadcast messages and to store them in the filter memory.

4.   A portable reproduction device according to Claim 1, wherein the receiver is a Bluetooth transceiver.

5.   A portable reproduction device according to Claim 1, further comprising a sound transducer for playing audio messages selected by the filter.

6.   A portable reproduction device according to Claim 5, in the form of a headphone having two diaphragms spaced apart by a headband.

7.   A portable reproduction device according to Claim 1, further comprising a user control for accepting or rejecting filter blocks received at the portable user device.

5   8.   A portable reproduction device according to Claim 1, arranged to check the origin of received filter blocks and to update the filter block in the filter memory only if the origin is on a list of acceptable transmitters.

9.   A system for receiving broadcast messages comprising:

10   a portable reproduction device according to Claim 1; and

an update control device having an input for inputting information regarding the blocks to be filtered, a transmitter for transmitting messages to the portable reproduction device, wherein the update control device is arranged to accept input information regarding the blocks to be filtered, to

15   prepare update filter blocks from the information and to transmit the update filter blocks to the portable device using the transmitter.

10.   A system according to Claim 9, wherein update filter blocks are transmitted using a secure protocol.

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11.   A method of processing broadcast messages, including the steps of:

transmitting an update filter block from an update control device to a portable reproduction device;

25   storing the update filter block in memory in the portable reproduction device;

receiving incoming broadcast messages on a receiver in the portable reproduction device;

filtering incoming messages received in the portable reproduction

30   device under control of the filter block, and

playing messages selected by the filter block.

12.   A method according to Claim 11, further comprising the step of verifying update filter blocks received by the portable reproduction device to check whether to store the update filter blocks in memory.

5   13.   A method according to Claim 11, including transmitting the update filter block to the portable reproduction device so that it is received on the receiver for receiving broadcast messages.

14.   A method according to Claim 11, wherein the incoming broadcast
10   messages are Bluetooth messages.

15.   A method according to Claim 11, wherein the incoming broadcast messages are replayed as sound.

15   16.   A method of broadcasting audio information to waiting individuals provided with a portable reproduction device, comprising:
          programming the portable reproduction device with a filter block selecting predetermined message streams;
          broadcasting audio message streams;
20   receiving the broadcast messages on the portable reproduction device;
          filtering incoming messages received in the portable reproduction device using a filter under control of the filter block to select only predetermined message streams; and
          playing the selected incoming messages selected by the filter block.

25   17.   A method according to Claim 16, wherein one of the predetermined message streams is an announcement message stream for transmitting announcements to the waiting individuals.